L Number	Hits	Search Text	DB	Time stamp
3	2	("5042043").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/10 14:02
4	21	(US-6392257-\$ or US-5326424-\$ or US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-20020000563-\$).did. or (JP-11045892-\$ or JP-10242567-\$ or JP-10242514-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or JP-2000004046-\$ or JP-2000188260-\$ or EP-395392-\$).did.	USPAT; US-PGPUB; JPO; DERWENT	2002/11/10 14:08
5	13	((US-6392257-\$ or US-5326424-\$ or US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-20020000563-\$).did. or (JP-11045892-\$ or JP-10242567-\$ or JP-10242514-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or JP-2000004046-\$ or JP-2000188260-\$ or EP-395392-\$).did.) and (amorphous or crytalline or crystal) near12 (boron adj phosphide or bp or buffer or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/10 14:09
6	13	current-blocking or current adj blocking) ((US-6392257-\$ or US-5326424-\$ or US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-20020000563-\$).did. or (JP-11045892-\$ or JP-10242567-\$ or JP-10242514-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or JP-200004046-\$ or JP-2000188260-\$ or EP-395392-\$).did.) and (amorphous or crystalline or crystal) near12 (boron adj phosphide or bp or buffer or current-blocking or current adj blocking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/10 15:47
7	212	oh.in. and won.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/10 15:48
8	18	oh.in. and won.in. and buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/10 15:48
9	4	oh.in. and won.in. and buffer and nitride	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/10 16:37
10	2	("6069021").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/10 16:37
_	0	("(GaNP or gallium adj nitride adj phosphide) and light-emitting.ti,ab.").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/06/01 10:51

-	12	(GaNP or gallium adj nitride adj	USPAT;	2002/05/31 (07:10
		phosphide) and light-emitting.ti,ab.	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
			IBM_TDB		
-	4	1 '	USPAT;	2002/05/30	16:53
		adj nitride adj phosphide) and	US-PGPUB;		
		light-emitting.ti,ab. and boron adj	EPO; JPO;		
		phosphide near3 buffer	DERWENT;		
			IBM_TDB		
-	4	, ,	USPAT;	2002/05/30	16:54
		adj nitride adj phosphide) and	US-PGPUB;		
	1	light-emitting.ti,ab. and (BP or boron adj	EPO; JPO;		
]	phosphide) near6 buffer	DERWENT;		
	_	(GAND and NGAN and 1 or Doroth will are malliform	IBM_TDB	2002/05/20	16.50
-	7		USPAT;	2002/05/30	10:00
		adj nitride adj phosphide or GaN near6 P	US-PGPUB;		
		or GaN near6 phosphorus or gallium adj	EPO; JPO;		
		nitride near6 (phosphorus or P)) and light-emitting.ti,ab. and (BP or boron adj	DERWENT;		
		phosphide) near6 buffer	IBM_TDB		
	4	17	USPAT;	2002/05/30	17.07
-	1	adj nitride adj phosphide or GaN near6 P	US-PGPUB;	2002/03/30	17.07
		or GaN near6 phosphorus or gallium adj	EPO; JPO;		
		nitride near6 (phosphorus or P)) and	DERWENT;		
		(257/8\$5.ccls. or 257/9\$5.ccls. or	IBM TDB		
		257/100.ccls. or 257/101.ccls. or	150155		
		257/102.ccls. or 257/103.ccls.) and (BP or			
		boron adj phosphide) near6 buffer			
	4		USPAT;	2002/05/30	17:09
	_	nitride or "GaN.sub.x.P.sub.1-x" or	US-PGPUB;		
		"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;		
		nitride adj phosphide or GaN near6 P or	DERWENT;		
		GaN near6 phosphorus or gallium adj	IBM TDB		
1		nitride near6 (phosphorus or P)) and			
		(257/8\$5.ccls. or 257/9\$5.ccls. or			
1		257/100.ccls. or 257/101.ccls. or			
+		257/102.ccls. or 257/103.ccls.) and (BP or			
		boron adj phosphide) near6 buffer		-	
-	4		USPAT;	2002/05/30	17:10
		nitride or "GaN.sub.x.P.sub.1-x" or	US-PGPUB;		
		"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;		
and the second		nitride adj phosphide or GaN near6 P or	DERWENT;		
1		GaN near6 phosphorus or gallium adj	IBM_TDB		
		nitride near6 (phosphorus or P) or GaN			
		near6 (P or phosphorus)) and	T passes		
1	/	(257/8\$5.ccls. or 257/9\$5.ccls. or	-		
		257/100.ccls. or 257/101.ccls. or			
		257/102.ccls. or 257/103.ccls.) and (BP or	To a second		
1		boron adj phosphide) near6 buffer	HCDAT.	2002/05/30	17.29
_	4		USPAT; US-PGPUB;	2002/03/30 .	11.20
		nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;		
		nitride adj phosphide or GaN near6 P or	DERWENT;		
		GaN near6 phosphorus or gallium adj	IBM TDB		
		nitride near6 (phosphorus or P) or	1		
İ		(gallium adj nitride or GaN) near6 (P or			
		phosphorus)) and (257/8\$5.ccls. or	****		
		257/9\$5.ccls. or 257/100.ccls. or			
		257/101.ccls. or 257/102.ccls. or			
1		257/103.ccls.) and (BP or boron adj			
]	phosphide) near6 buffer			
L	1		<u> </u>	. 	

	342	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:29
	275	257/103.ccls.) (GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:30
	4	257/103.ccls.) and buffer (GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or 257/103.ccls.) and buffer near12 (boron adj phosphide or bp)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:34
-	489	(257/79).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/30 17:35
-	435	(257/80).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/30 17:35
_	366	(257/81).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/30 17:35
-	814	(257/82).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/30 17:35
-	106	(257/83).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/30 17:35
-	380	(257/84).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/30 17:35
-	205	(257/85).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/30 17:35

	··			0000 (05 (00 45 05)
-	229	(257/86).CCLS.	USPAT; US-PGPUB;	2002/05/30 17:35
	}		EPO; JPO;	
			DERWENT;	
)]		IBM_TDB	
-	56	(257/87).CCLS.	USPAT;	2002/05/30 17:35
	j ļ		US-PGPUB;	
			EPO; JPO;	
	1		DERWENT; IBM TDB	
Í _	488	(257/88).CCLS.	USPAT;	2002/05/30 17:35
	100	(207,007,00201	US-PGPUB;	
1	(EPO; JPO;	
			DERWENT;	
ł		1055 (00) 0070	IBM_TDB	2002/05/20 17.25
-	175	(257/89).CCLS.	USPAT; US-PGPUB;	2002/05/30 17:35
j	ļ		EPO; JPO;	
	:		DERWENT;	
	j		IBM TDB	
-	83	(257/90).CCLS.	USPAT;	2002/05/30 17:36
ļ			US-PGPUB;	
Ì	[EPO; JPO;	
			DERWENT; IBM TDB	
1_	147	(257/91).CCLS.	USPAT:	2002/05/30 17:36
_	14'	(2377,917).0003.	US-PGPUB;	2002,00,30 1,100
1	}		EPO; JPO;	
	i i		DERWENT;	
ļ	}		IBM_TDB	
-	49	(257/92).CCLS.	USPAT;	2002/05/30 17:36
			US-PGPUB;	
	ĺ		EPO; JPO; DERWENT;	
			IBM TDB	
_	146	(257/93).CCLS.	USPAT;	2002/05/30 17:36
			US-PGPUB;	
1	1		EPO; JPO;	
			DERWENT;	
1	605	(257/04) GOLG	IBM_TDB USPAT;	2002/05/30 17:36
_	685	(257/94).CCLS.	US-PGPUB;	2002/03/30 17.30
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
1	239	(257/95).CCLS.	USPĀT;	2002/05/30 17:36
			US-PGPUB;	
1			EPO; JPO; DERWENT;	1
1			IBM TDB	
_	445	(257/96).CCLs.	USPAT;	2002/05/30 17:36
		,,,	US-PGPUB;	
1			EPO; JPO;	
1			DERWENT;	
	207	(057 (07) 007 0	IBM_TDB	2002/05/30 17:36
1 -	327	(257/97).CCLS.	USPAT; US-PGPUB;	2002/03/30 17:36
	}		EPO; JPO;	
1	1		DERWENT;	
			IBM_TDB	
-	1241	(257/98).CCLS.	USPĀT;	2002/05/30 17:36
			US-PGPUB;	
	1		EPO; JPO;]
			DERWENT; IBM TDB	
_	1351	(257/99).CCLS.	USPAT;	2002/05/30 17:36
-	1331	1 12311 331.0020.	US-PGPUB;	
			EPO; JPO;	1
	1		DERWENT;	
	<u> </u>		IBM TDB	

- 318 (257/100).CCLS. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EP	17:36 17:36
EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DER	17:36
DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT; DERWENT; DERWENT;	17:36
- 278 (257/101).CCLS. IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWE	17:36
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT;	17:36
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	
DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT;	
- 308 (257/102).CCLS. IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPA	
- 308 (257/102).CCLS. USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; OR L19 OR L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29 or L30 perwent; or L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	
US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; Or L19 Or L20 or L16 or L17 or L18 Or L19 Or L20 or L21 or L22 or L23 or L24 Or L25 or L26 or L27 or L28 or L29 or L30 Or L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	
EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; OR L19 OR L20 or L16 or L17 or L18 USPĀT; OR L19 OR L20 or L21 or L22 or L23 or L24 US-PGPUB; OR L25 or L26 or L27 or L28 or L29 or L30 US-PGPUB; OR L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	17:37
DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; USPĀT; US-PGPUB; EPO; JPO; DERWENT; USPĀT; USPĀT; USPĀT; USPĀT; USPĀT; USPĀT; USPĀT; US-PGPUB; EPO; JPO; OR L31 OR L32 OR L33 OR L34 OR L35 OR L36 DERWENT;	17:37
- 967 (257/103).CCLS. IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; OR L19 OR L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29 or L30 US-PGPUB; EPO; JPO; OR L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	17:37
- 967 (257/103).CCLS. USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; Or L19 Or L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29 or L30 or L31 or L32 or L34 or L35 or L36 DERWENT;	17:37
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; or L19 Or L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29 or L30 or L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	
DERWENT; IBM TDB ("L13 or L14 or L15 or L16 or L17 or L18 USPAT; or L19 Or L20 or L21 or L22 or L23 or L24 US-PGPUB; or L25 or L26 or L27 or L28 or L29 or L30 DERWENT; or L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	
- 0 ("L13 or L14 or L15 or L16 or L17 or L18 USPĀT; or L19 Or L20 or L21 or L22 or L23 or L24 US-PGPUB; or L25 or L26 or L27 or L28 or L29 or L30 DERWENT;	
- 0 ("L13 or L14 or L15 or L16 or L17 or L18 USPĀT; or L19 Or L20 or L21 or L22 or L23 or L24 US-PGPUB; or L25 or L26 or L27 or L28 or L29 or L30 DERWENT; 2002/05/30 or L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	
or L19 Or L20 or L21 or L22 or L23 or L24 US-PGPUB; or L25 or L26 or L27 or L28 or L29 or L30 EPO; JPO; or L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	
or L25 or L26 or L27 or L28 or L29 or L30 EPO; JPO; or L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	17:38
or L31 or L32 or L33 or L34 or L35 or L36 DERWENT;	Ì
	j
or L37").PN. IBM_TDB	17:40
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((257/85).CCLS.) or ((257/86).CCLS.) or DERWENT;	
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- 0 ((257/103).CCLS.) or ((257/80).CCLS.) or USPAT; 2002/05/30	17:41
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13 (((257/79).CCLS.) or ((257/80).CCLS.) or USPAT; 2002/05/30	17:43
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-	2	(((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:44
		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	
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1		((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or		
		((257/103).CCLS.)) and buffer near12 (bp		
		or boron adj phosphide) and (ganp or (gan		
	1.2	or gallium adj nitride) near12 phosphorus)	HODAT.	2002/05/30 17:47
_	13	(((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/03/30 17:47
		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
	1	((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	
		((257/89).CCLS.) or ((257/90).CCLS.) or		
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		((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or	1	
		((257/103).CCLS.)) and (ganp or (gan or gallium adj nitride) near12 phosphorus)		
	4	(((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:53
-	1	((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	2002,03,30 17.33
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
	1	((257/83).CCLS.) or ((257/88).CCLS.) or	IBM TDB	
		((257/89).CCLS.) or ((257/90).CCLS.) or	1 100	
		((257/91).CCLS.) or ((257/92).CCLS.) or		
		((257/93).CCLS.) or ((257/94).CCLS.) or		
		((257/95).CCLS.) or ((257/96).CCLS.) or		
		((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or	}	
	:	((257/101).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) of ((257/102).CCLS.) of ((257/103).CCLS.)) and (gan or gallium adj		
		nitride) and ((bp or boron adj phosphide)		
		near12 buffer)		
	0	p-410242514\$-\$.did.	USPAT;	2002/05/30 17:54
-]b-4105450144-4.010.	US-PGPUB;	2502,00,00 1,.01
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
I _	2	jp-10242514\$-\$.did.	USPAT;	2002/05/30 17:56
		The increased Armin.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	2	jp-10242567\$-\$.did.	USPAT;	2002/05/30 17:59
_	~	15 105350014 4.0TG.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
l _	2	jp-10242569\$-\$.did.	USPAT;	2002/05/30 18:09
		The managed Aleman	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	2	6316793.pn.	USPAT;	2002/05/30 18:10
		· · · · · · · · · · · · · · · · · · ·	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	<u> </u>
	· · · · · · · · · · · · · · · · · · ·	1		

-	2	6064082.pn.	USPAT;	2002/05/30 18:11
			US-PGPUB;	
			EPO; JPO;	-
			DERWENT;	ł
			IBM TDB	
-	2	5929467.pn.	USPAT;	2002/05/30 18:11
		-	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	2	jp-10066769\$-\$.did.	USPAT;	2002/05/30 20:04
		JP 20000 01 40m2m	US-PGPUB;	2002,00,00 20101
			EPO; JPO;	1
			DERWENT;	
			IBM TDB	
_	0	jp-410066769\$-\$.did.	JPO JPO	2002/05/30 20:05
_	ĺ	jp-10066769\$-\$.did.	JPO	2002/05/30 20:06
_	Î	jp-11036830\$-\$.did.	JPO	2002/05/30 20:06
_	0	jp-411036830\$-\$.did.	JPO	2002/05/30 20:06
_	0	terashima.in. and buffer	JPO	2002/05/30 20:00
_		light-emitting.ti,ab. and ((bp or boron	JPO	2002/05/30 20:13
'	1		050	2002/03/30 20:14
		adj phosphide) near10 buffer) and gallium adj nitride.ti,ab.		
	1		TDO	2002/05/20 20-14
-	1	, J	JPO	2002/05/30 20:14
	1	adj phosphide) near10 buffer) and gallium		
	_	adj nitride	TDO	0000/05/00 00 15
-	3		JPO	2002/05/30 20:15
		emitting).ti,ab. and ((bp or boron adj		
		phosphide) near10 buffer) and gallium adj		
		nitride		
-	4	'	USPAT;	2002/05/31 07:13
		or AlGaNP or aluminum adj gallium adj	US-PGPUB;	
-		nitride adj phosphide or	EPO; JPO;	
		"GaN.sub.lix.P.subx") and	DERWENT;	
		light-emitting.ti,ab. and buffer near10	IBM_TDB	
		(bp or boron adj phosphide)		
-	4	(GaNP or gallium adj nitride adj phosphide	USPAT;	2002/05/31 07:15
		or AlGaNP or aluminum adj gallium adj	US-PGPUB;	
		nitride adj phosphide or	EPO; JPO;	
		"GaN.sub.1-x.P.sub.x") and	DERWENT;	
		light-emitting.ti,ab. and (bp or boron adj	IBM_TDB	
		phosphide)	_	
-	8		USPAT;	2002/05/31 07:19
		aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	
		or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	
		and (bp or boron adj phosphide)	DERWENT;	
1			IBM TDB	
-	7	((GaN or gallium adj nitride or AlGaN or	USPAT;	2002/05/31 07:58
		aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	
		or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	
		and ((bp or boron adj phosphide) near10	DERWENT;	
		buffer)	IBM TDB	
_	4		USPAT;	2002/05/31 08:01
		aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	,,
		or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	
		and ((bp or boron adj phosphide) near10	DERWENT;	
-		buffer) and ((mono-crystal or single adj	IBM TDB	
1		crystal) near6 substrate)	12122	
1_	8		USPAT;	2002/05/31 08:01
-	8	adj phosphide) near10 buffer) and	US-PGPUB;	2002/03/31 00:01
		((mono-crystal or single adj crystal)	EPO; JPO;	
		near6 substrate)	DERWENT;	
	205	light omitting to the and //	IBM_TDB	2002/05/21 00-15
-	325		USPAT;	2002/05/31 08:15
		or single adj crystal) near6 substrate)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
I	<u> </u>		IBM_TDB	

_	184	light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)	USPAT; US-PGPUB;	2002/05/31 08:16
			EPO; JPO; DERWENT; IBM TDB	
-	14	light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate) and	USPAT; US-PGPUB;	2002/05/31 08:17
		Gan.ti,ab.	EPO; JPO; DERWENT;	
_	351	buffer adj layer near3 amorphous	IBM_TDB USPAT;	2002/05/31 08:43
			US-PGPUB; EPO; JPO;	
			DERWENT; IBM TDB	
-	4	(bp or boron adj phosphorus) near6 buffer adj layer near3 amorphous	USPAT; US-PGPUB;	2002/05/31 08:44
			EPO; JPO; DERWENT;	
-	38	amorphous adj buffer adj layer	IBM_TDB USPAT;	2002/05/31 10:42
			US-PGPUB; EPO; JPO;	
_	3	amorphous adj buffer adj layer and (single	DERWENT; IBM_TDB USPAT;	2002/05/31 11:23
		adj crystal or single-crystal) adj buffer adj layer	US-PGPUB; EPO; JPO;	2002/03/31 11:23
			DERWENT; IBM TDB	
 -	64	single adj (heterojunction or hetero-junction) and (double adj	USPAT; US-PGPUB;	2002/05/31 11:26
		heterojunction or hetero-junction) and 257/\$6.ccls.	EPO; JPO; DERWENT;	
_	58	(= :::5::= =:=5	IBM_TDB USPAT;	2002/05/31 12:36
		hetero-junction)) and (double adj (heterojunction or hetero-junction)) and 257/\$6.ccls.	US-PGPUB; EPO; JPO;	
	2		DERWENT; IBM_TDB USPAT;	2002/05/31 11:47
		(01000)2 ,1111	US-PGPUB; EPO; JPO;	2002/03/31 11.47
			DERWENT; IBM TDB	
-	4	(single adj (heterojunction or hetero-junction)).ti,ab. and (double adj	USPĀT; US-PGPUB;	2002/05/31 13:07
		(heterojunction or hetero-junction)) and 257/\$6.ccls.	EPO; JPO; DERWENT;	
-	2	("6150672").PN.	IBM_TDB USPAT;	2002/05/31 13:41
			US-PGPUB; EPO; JPO; DERWENT;	
_	1	(lattice near6 (match\$3 or mismatch\$3))	IBM_TDB USPAT;	2002/05/31 15:47
		near12 (boron adj phosphide or BP or BPN or "BP.sub.1-x.N.sub.x") near12 (GaN or	US-PGPUB; EPO; JPO;	2002,00,01
		gallium adj nitride)	DERWENT; IBM_TDB	
•	1	(lattice near6 (match\$3 or mismatch\$3)) near12 (boron adj phosphide or BP or BPN	USPAT; US-PGPUB;	2002/05/31 13:44
		or "BP.sub.1-x.N.sub.x") near12 (GaN or gallium adj nitride or AlGaN or aluminum	EPO; JPO; DERWENT;	
~	29	adj gallium adj nitride) ((boron adj phosphide or bp) near12 buffer) near12 (N or nitrogen)	IBM_TDB USPAT;	2002/05/31 14:11
		buller, heartz (N of hittogen)	US-PGPUB; EPO; JPO; DERWENT;	
			IBM_TDB	

-	1	(lattice near6 (match\$3 or mismatch\$3))	USPAT;	2002/05/31 15:59
		near12 (boron adj phosphide or BP or BPN	US-PGPUB;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride or gallium adj nitride	DERWENT;	
		adj phosphide or GaNP)	IBM TDB	
_	1	(lattice near6 (match\$3 or mismatch\$3) or	USPAT;	2002/05/31 16:16
	1	lattice-match\$3 or lattice-mismatch\$3)	US-PGPUB;	2002/05/51 10.10
		near12 (boron adj phosphide or BP or BPN	1	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
			DERWENT;	
		gallium adj nitride or gallium adj nitride	IBM_TDB	
		adj phosphide or GaNP)		1
-	1	(lattice near6 (match\$3 or mismatch\$3) or	USPAT;	2002/05/31 16:33
		lattice-match\$3 or lattice-mismatch\$3)	US-PGPUB;	
		near12 (boron adj phosphide or BP or BPN	EPO; JPO;	
		or "BP.sub.1-x.N.sub.x" or BNP or	DERWENT;	
]	"BN.sub.1-x.P.sub.x") near12 (GaN or	IBM TDB	
		gallium adj nitride or gallium adj nitride	-	
		adj phosphide or GaNP)		
_	66	(boron adj phosphide or BP or BPN or	USPAT;	2002/05/31 17:58
		"BP.sub.1-x.N.sub.x" or BNP or	US-PGPUB;	2002/03/31 17:30
		"BN.sub.1-x.P.sub.x") near12 (GaN or		
			EPO; JPO;	
		gallium adj nitride or gallium adj nitride	DERWENT;	
		adj phosphide or GaNP)	IBM_TDB	
-	0	"10-066769"	JPO	2002/05/31 17:59
-	1	jp-10066769\$-\$.did.	JPO	2002/05/31 18:00
-	1	jp-10180921\$-\$.did.	JPO	2002/05/31 18:01
† -	0	jp-410180921\$-\$.did.	JPO	2002/05/31 18:01
-	0	terashima.in. and semiconductor	JPO	2002/05/31 18:12
-	2	terashima.in. and "1998"	JPO	2002/05/31 18:14
-	1	jp-10066769\$-\$.did.	JPO	2002/05/31 18:15
-	1	jp-10180921\$-\$.did.	JPO	2002/05/31 18:16
-	l î	jp-10193125\$-\$.did.	JPO	2002/05/31 18:17
l <u>-</u>	l ī	jp-10232279\$-\$.did.	JPO	2002/05/31 18:17
1_	1	jp-11036830\$-\$.did.	t	
_			JPO	2002/05/31 18:18
	2301	udagawa.in.	JPO	2002/05/31 18:18
[-	35	udagawa.in. and light-emitting	JPO	2002/05/31 18:18
i -	3	udagawa.in. and light-emitting and (BP or	JPO	2002/05/31 18:22
		boron adj phosphide)		
-	0	terashima.in. and light-emitting and (BP	JPO	2002/05/31 18:23
		or boron adj phosphide)		
-	0	nishimura.in. and light-emitting and (BP	JPO	2002/05/31 18:23
		or boron adj phosphide)		Ì
-	0	tsuzaki.in. and light-emitting and (BP or	JPO	2002/05/31 18:23
		boron adj phosphide)		=====================================
-	11550		DERWENT	2002/05/31 18:25
_	245	(boron adj phosphide or bp) and buffer	DERWENT	2002/05/31 18:25
_	15	(boron adj phosphide or bp) and buffer adj		
	15		DERWENT	2002/05/31 18:25
_	60	layer	tion.m	2000/06/01 10 -0
-	62	udagawa.in. and light-emitting	USPAT;	2002/06/01 10:52
	į		US-PGPUB;	
]			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1076	udagawa.in. and light-emitting and buffer	USPĀT;	2002/06/01 10:56
	ĺ	near6 BP or BNP or BPN or	US-PGPUB;	
1		"BN.sub.1-x.P.sub.x" or	EPO; JPO;	
		"BP.sub.x.N.sub.1-x" or	DERWENT;	
		"BN.sub.x.P.sub.1-x" or	IBM TDB	
		"BP.sub.1-x.N.sub.x" or ((BP or boron adj		
]		phosphide) near3 nitrogen)		:
_	8	udagawa.in. and light-emitting and (buffer	HCDAM.	2002/06/01 11-00
	•		USPAT;	2002/06/01 11:22
j l		near6 (BP or BNP or BPN or	US-PGPUB;	
		"BN.sub.1-x.P.sub.x" or	EPO; JPO;	
		"BP.sub.x.N.sub.1-x" or	DERWENT;	
1	1	"BN.sub.x.P.sub.1-x" or	IBM_TDB	
		"BP.sub.1-x.N.sub.x" or ((BP or boron adj		
		phosphide) near3 nitrogen)))		

	·				
-	2		USPAT;	2002/06/01	13:29
		(buffer near6 (BP or BNP or BPN or	US-PGPUB;		
		"BN.sub.1-x.P.sub.x" or "BP.sub.x.N.sub.1-x" or	EPO; JPO;		
		"BN.sub.x.P.sub.1-x" or	DERWENT; IBM TDB		
		"BP.sub.1-x.N.sub.x" or ((BP or boron adj	IBM_IDB		
		<pre>phosphide) near3 nitrogen)))</pre>			
-	9		USPAT;	2002/06/01	13:35
-		(BP or BN or BNP or BPN or	US-PGPUB;		
İ		"BN.sub.1-x.P.sub.x" or	EPO; JPO;		
		"BP. sub. x. N. sub. 1-x" or	DERWENT;		
		"BN.sub.x.P.sub.1-x" or "BP.sub.1-x.N.sub.x"))	IBM_TDB		
-	0	1	HCDAT.	2002/06/01	12.20
	•	(((BN or boron adj nitride) near3 buffer)	USPAT; US-PGPUB;	2002/06/01	13:39
		near10 (phosporus or P)) and (GaN or	EPO; JPO;		
}		gallium adj nitride)	DERWENT;		
[IBM TDB		
-	0	(======) or	USPAT;	2002/06/01	13:39
		(((BN or boron adj nitride) near6 buffer)	US-PGPUB;		
		near10 (phosporus or P))	EPO; JPO;		
			DERWENT;		
_	0	(lattice adj (match\$3 or mismatch\$3)) and	IBM_TDB USPAT;	2002/06/01	12.40
ļ		(((BN or boron adj nitride) near6 buffer)	US-PGPUB;	2002/06/01	13:40
}		near10 (phosporus or P))	EPO; JPO;		
			DERWENT;		•
			IBM TDB		
-	0	(lattice adj (match\$3 or mismatch\$3)) and	USPAT;	2002/06/01	13:41
		(((BN or BNP or BPN or boron adj nitride)	US-PGPUB;		
		near6 buffer) near10 (phosporus or P))	EPO; JPO;		
			DERWENT;		
_	0	(lattice near6 (match\$3 or mismatch\$3))	<pre>IBM_TDB USPAT;</pre>	2002/06/01	12.40
ĺ		and (((BN or BNP or BPN or boron adj	US-PGPUB;	2002/06/01	13:42
		nitride) near6 buffer) near10 (phosporus	EPO; JPO;		
		or P))	DERWENT;		
			IBM TDB		
-	672		USPAT;	2002/06/01	13:43
		phosphide or BP or BNP) near6 buffer	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
-	99	(boron adj nitride or BN or boron adj	IBM_TDB USPAT;	2002/06/01	14.40
		phosphide or BP or BNP) near6 buffer and	US-PGPUB;	2002/00/01	14.40
		(GaN or gallium nitride)	EPO; JPO;		i
			DERWENT;		
			IBM_TDB		
-	54	(boron adj nitride or BN or BNP) near6	USPAT;	2002/06/01	14:50
		buffer and (GaN or gallium nitride)	US-PGPUB;		
			EPO; JPO;		
			DERWENT; IBM TDB		Ì
_	16	(boron adj nitride or BN or BNP) near6	USPAT;	2002/06/01	14.52
		buffer and (GaN or gallium nitride) and	US-PGPUB;	2002/00/01	
		(lattice-mismatch or lattice-match\$3 or	EPO; JPO;		İ
]	<pre>(lattice near3 (match\$3 or mismatch\$3)))</pre>	DERWENT;		
	4.5		IBM_TDB		
-	15	(boron adj nitride or BN or BNP) near6	USPAT;	2002/06/01	15:39
,		buffer and (GaN or gallium nitride) near12 (lattice-mismatch or lattice-match\$3 or	US-PGPUB;		İ
i	j	(lattice-mismatch or lattice-match\$3 or (lattice near3 (match\$3 or mismatch\$3)))	EPO; JPO; DERWENT;		
		(IBM TDB		1
-	0	gallium adj nitride adj phosphide and	USPAT;	2002/06/01	15:40
		light-emitting.ti,ab. and phosporus	US-PGPUB;		
		- ·	EPO; JPO;		
			DERWENT;		
	L		IBM_TDB		

_	7	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/06/01 15:42
		adj nitride adj phosphide) and	US-PGPUB;	
		light-emitting.ti,ab. and (phosporus or P)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	0	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/06/01 15:43
		adj nitride adj phosphide) and	US-PGPUB;	
		light-emitting.ti,ab. and phosporus	EPO; JPO;	
ļ			DERWENT;	
			IBM TDB	
-	2	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/06/01 17:21
•		adj nitride adj phosphide) and	US-PGPUB;	2002,00,01 1,121
•		light-emitting.ti,ab. and phosphorus	EPO; JPO;	-
			DERWENT;	
			IBM TDB	
_	2	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 17:23
	_	semiconductor.ti,ab. and group adj "III-V"	US-PGPUB;	2002/00/01 17.23
		semiconductor. cryab. and group adj iii v	EPO; JPO;	
İ			DERWENT;	
			IBM TDB	
_	6	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 17:31
	0	semiconductor.ti,ab. and GaN	US-PGPUB;	2002/06/01 17:31
		Semiconductor.tr, ab. and Gan		+
			EPO; JPO;	
			DERWENT;	1
1			IBM_TDB	0000/05/04 45 04
_	8		USPAT;	2002/06/01 17:31
		GaN	US-PGPUB;	1
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	3	,	USPAT;	2002/06/01 18:57
		GaN and mount\$3	US-PGPUB;	
	ļ		EPO; JPO;	į
			DERWENT;	
	-		IBM_TDB	
-	4	, , , , , , , , , , , , , , , , , , , ,	USPAT	2002/06/01 19:01
	1	or ("5326424")).PN.		
-	7496	1 , , , , , , , , , , , , , , , , , , ,	USPAT;	2002/06/01 19:23
		(257/94) or (257/102) or (257/103) or	US-PGPUB;	
		(372/43)).CCLS.	EPO; JPO;	[
			DERWENT;	
			IBM_TDB	
_	3	1 ((= = : ; : =) = = (= = : ; = =)	USPAT;	2002/06/01 19:28
		(257/94) or (257/102) or (257/103) or	US-PGPUB;	
		(372/43)).CCLS.) and (gallium adj nitride	EPO; JPO;	
		or gallium adj phosphide or GaN or GaP or	DERWENT;	
		"GaN.sub.1-x.P.sub.x" or	IBM TDB	
		"GaN.sub.x.P.sub.1-x") and buffer near4	_	
		(BN or BP or BNP or BPN or		
		"BN.sub.x.P.1-x" or "BN.sub.1-x.P.sub.x"		
	.	or boron adj nitride or boron adj		
		phosphide) and (lattice nearl2 (match\$3 or		
		mismatch\$3) or lattice-match\$3 or		
		lattice-mismatch\$3)		
				i